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From: Lombardi, Marc
Sent: Thur 7/13/2017 5:30:45 PM
Subject: Leviathan Mine - Interim Combined Treatment Demonstration Update

Lynda / Gary / Doug,

This email provides a brief status of the Interim Combined Treatment (ICT) Field Demonstration.

Last week (7/5 through 7/6) we transferred Upper Pond Water (approximately 69,000 gallons from Pond 1 and 147,000 gallons from Pond 2S) to Pond 4 and mixed it with existing CUD and DS water to create a blend with an acidity of approximately 2,800 mg/L. On Friday, we began HDS Treatment and discharge of the combined water at variable flow rates as we monitored plant operations and conducted our initial sampling event. We also installed a diversion line from Leviathan Creek, and transferred approximately 1,600 gallons of water to Pond 4 to aid in optimizing the blended acidity of the combined acid drainage sources prior to treatment. The HDS Treatment Plant remained in operation treating the blended water at 70 gpm over the weekend with no issues.

On Monday, July 10, at approximately 12:20 pm, we increased the HDS Treatment Plant influent flow to 143 gpm. We have since been operating the HDS Treatment Plant within the target criteria as specified in the work plan. We have also been performing daily sampling of the influent/effluent water per the U.S. EPA's request in their April 25, 2017 concurrence letter. Operations have been steady, with low turbidity and stable pH control.

We will continue transferring water from Pond 2S and mixing with CUD, DS and Leviathan Creek water (as necessary) in Pond 4 to maintain the 2,600 – 2,900 acidity target, and continue to operate the HDS Treatment Plant at 143 gpm.

We will be preparing weekly reports as requested by the U.S. EPA in their April 25, 2017 concurrence letter.

Thanks,

Marc

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